

FIG. 1: IgG and IgE-binding reactivity of denatured ProDer p 1 expressed in CHO cells.

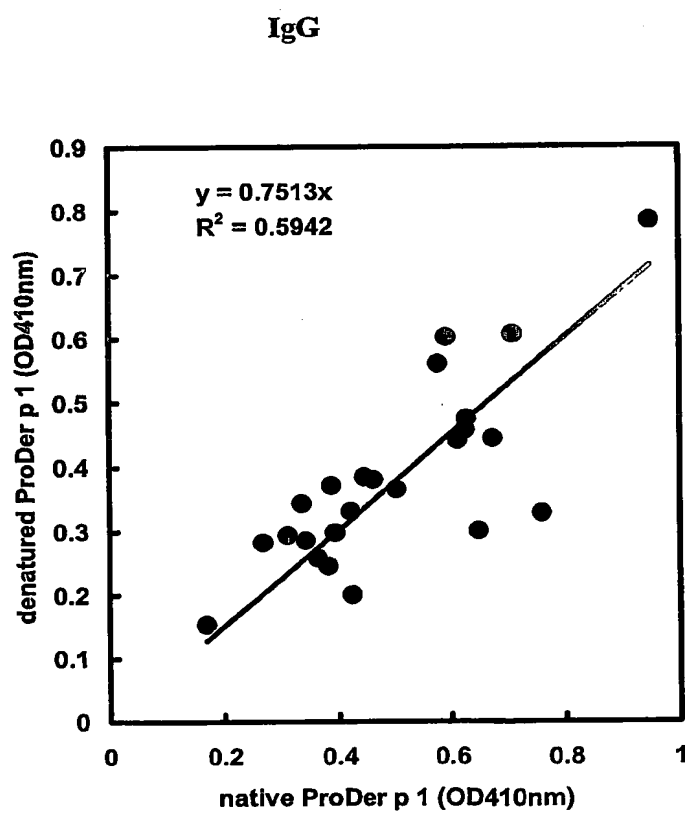
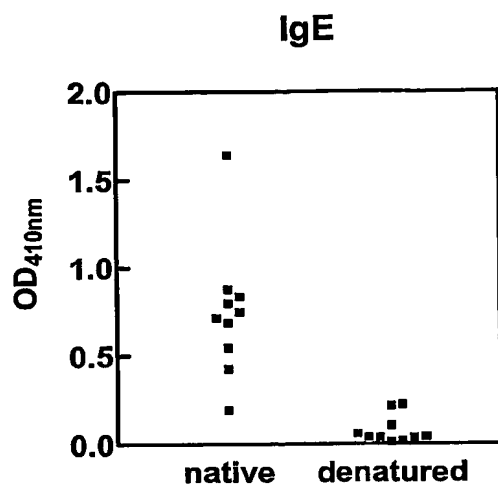


FIG. 2: Correlation between the IgE reactivity of MBP-ProDer p 1 and natural Der p 1.

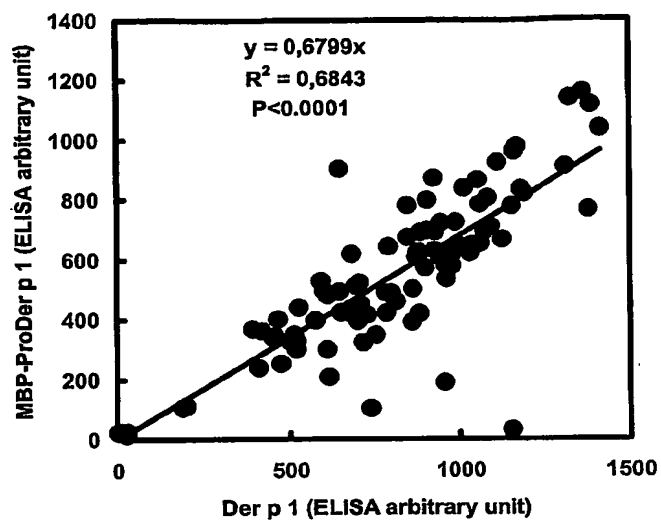


FIG. 3: IgE-binding reactivities of MBP-ProDer p 1 mutants, carrying the mutations C4R, C31R and C65R.

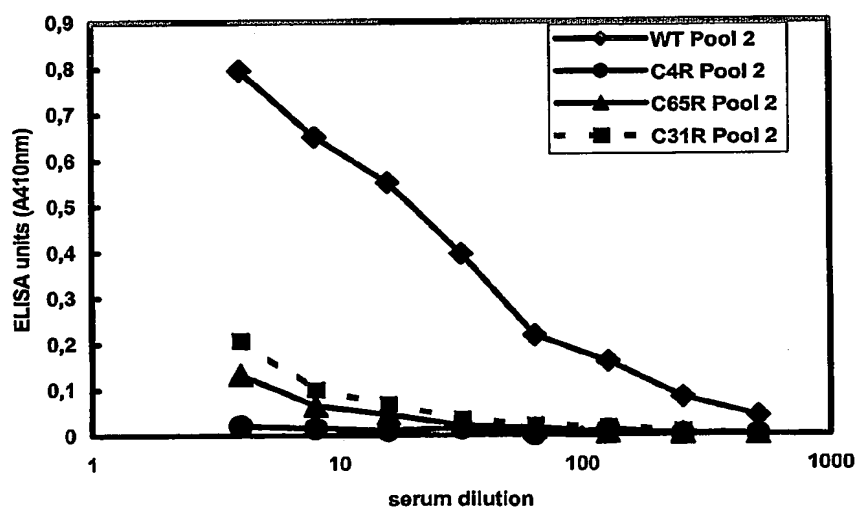


FIG. 4: Histamine release activity of allergens.

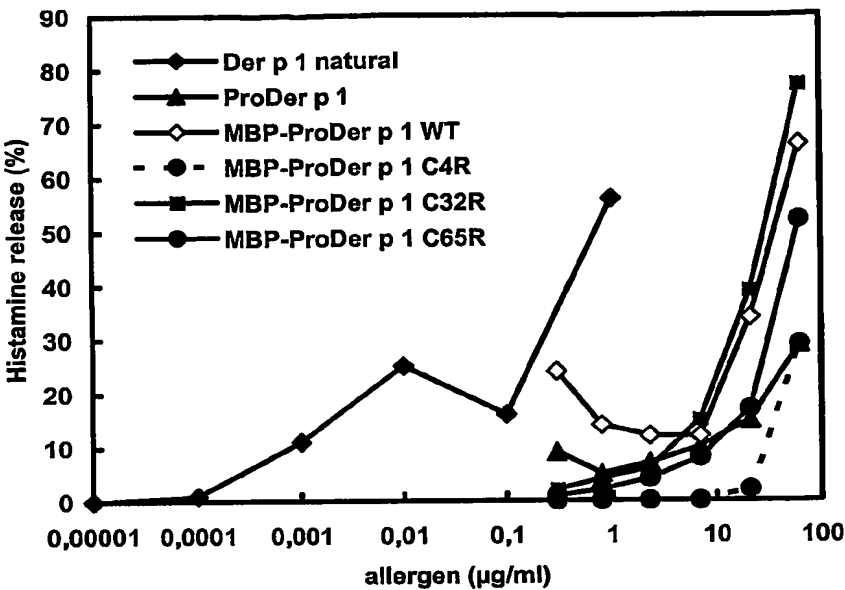


Fig. 5: Schematic representation of the animal model of house dust mite allergy.

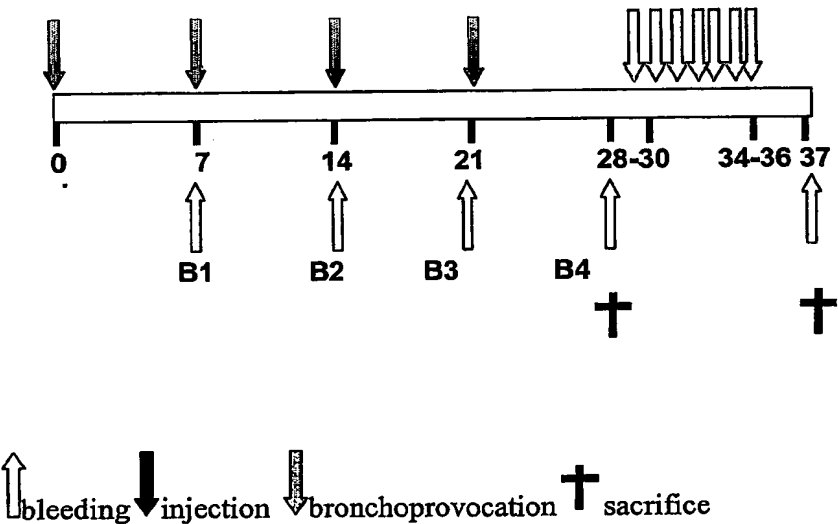


FIG 6

Expression of ProDer p 1 delta 227-240

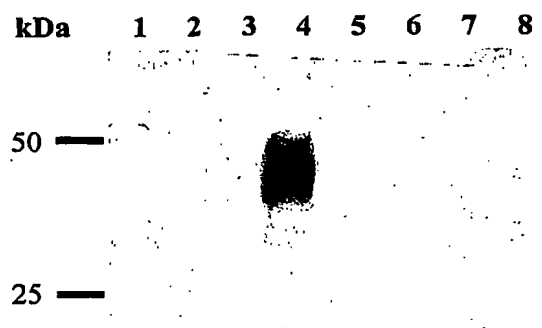


FIG. 7

AcaNucSeq:	51	ACAACCAGAA	AGATGATCAT	CTATAATATT	TTAATTGTTT	TATTATTGGC
EcoNucSeq:	51	acaaccagaa	agatgatcat	ctaCaaCatt	CtGatCgtAC	tCCtGcTggc
PeptidSeq:			M I I	Y N I	L I V	L L L A
AcaNucSeq:	101	CATTAATACA	TTGGCTAATC	CAATTCTACC	AGCATCACCA	AATGCAACTA
EcoNucSeq:	101	cattaaCacT	ttggctaatac	cGatCctGcc	GgcatcCccG	aaCgcGacCa
PeptidSeq:		I N T	L A N	P I L P	A S P	N A T
AcaNucSeq:	151	TTGTTGGTGG	TGAAAAAGCA	TTAGCTGGTG	AATGTCCATA	TCAGATTTCa
EcoNucSeq:	151	tCgttggCgg	CgaaaaagcA	CtGgctgggtg	aGtgCccata	tcagatCtcC
PeptidSeq:		I V G G	E K A	L A G	E C P Y	Q I S
AcaNucSeq:	201	TTACAATCAA	GTAGTCATTT	TTGTGGTGGT	ACTATTCTTG	ATGAATATTG
EcoNucSeq:	201	CtGcaGtcTa	gtagCcaCtt	Ctgtgggtggg	actattcctg	aCgaataCtg
PeptidSeq:		L Q S	S S H F	C G G	T I L	D E Y W
AcaNucSeq:	251	GATTTTAACA	GCTGCACATT	GTGTTGCCGG	ACAAACAGCA	AGTAACTTT
EcoNucSeq:	251	gatCCTGacC	gcGgcacaCt	gCgtGgccgg	CcaaacagcG	agCaaactCt
PeptidSeq:		I L T	A A H	C V A G	Q T A	S K L
AcaNucSeq:	301	CAATTCGTTA	CAATAGTTTA	AAACATTTCAT	TAGGTGGTGA	AAAAATTCT
EcoNucSeq:	301	cCattcgtta	caaCagCCTG	aaacaCtcaC	tGgggtggCga	aaaGatttct
PeptidSeq:		S I R Y	N S L	K H S	L G G E	K I S
AcaNucSeq:	351	GTTGCTAAAA	TTTTTGCACA	TGAAAAATAT	GATAGTTATC	AAATTGATAA
EcoNucSeq:	351	gttgctaata	ttttCgcaca	tgaaaaaatat	gatagCtaCc	aGatCgaCaa
PeptidSeq:		V A K	I F A H	E K Y	D S Y	Q I D N
AcaNucSeq:	401	TGATATTGCA	TTGATTAAGC	TAAATCACC	TATGAAATTA	AATCAGAAAA
EcoNucSeq:	401	tgaCattgcG	CtgatCaagc	tGaaatcCcc	tatgaaGctG	aaCcagaaaa
PeptidSeq:		D I A	L I K	L K S P	M K L	N Q K
AcaNucSeq:	451	ATGCCAAAGC	TGTTGGATTA	CCAGCAAAAG	GATCGGATGT	AAAAGTTGGT
EcoNucSeq:	451	aCgccaaagc	tgtGggCCTG	ccGgcGaaag	gCtcggatgt	aaaagttggg
PeptidSeq:		N A K A	V G L	P A K	G S D V	K V G
AcaNucSeq:	501	GATCAAGTTC	GTGTTTCTGG	TTGGGGTTAT	CTTGAAGAAG	GAAGTTATTC
EcoNucSeq:	501	gaCcaGgtGc	gtgtCtctgg	Ctggggttat	ctGgaagaGg	gCagCtaCtc
PeptidSeq:		D Q V	R V S G	W G Y	L E E	G S Y S
AcaNucSeq:	551	ATTACCATCT	GAATTAAGAC	GTGTTGATAT	TGCTGTTGTA	TCACGTAAAG
EcoNucSeq:	551	CCTGccGtct	gaattaCgCc	gtgttgatat	CgctgtGgta	tcTcgCaaag
PeptidSeq:		L P S	E L R	R V D I	A V V	S R K
AcaNucSeq:	601	AATGTAATGA	ATTATATTCA	AAAGCTAATG	CTGAAGTTAC	TGATAATATG
EcoNucSeq:	601	aatgtaaCga	GctGtaCtcG	aaagcGaaCg	ctgaagtCac	CgaCaatatg
PeptidSeq:		R C N E	L Y S	K A N	A E V T	D N M
AcaNucSeq:	651	ATTGTGGTGG	GTGATGTTGC	AAATGGTGGT	AAAGATTCTT	GTCAAGGTGA
EcoNucSeq:	651	atCtgCgggtg	gtgatgttgc	GaaCggCggg	aaGgaCtctt	gtcaaggCga
PeptidSeq:		I C G	G D V A	N G G	K D S	C Q G D
AcaNucSeq:	701	TTCTGGTGGA	CCGGTTGTTG	ATGTTAAAAA	TAATCAAGTT	GTTGGTATTG
EcoNucSeq:	701	ttctgggtggG	ccgggtGgtCg	aCgttaaaaa	CaaCcaGgtt	gtAggtatCg
PeptidSeq:		S G G	P V V	D V K N	N Q V	V G I
AcaNucSeq:	751	TTTCATGGGG	TTATGGTTGT	GCACGTAAAG	GTTATCCAGG	TGTTTATACA
EcoNucSeq:	751	tttcAtggggg	CtaCgggttgC	gcacgtaaag	gCtatccGgg	tgtGtaCacG
PeptidSeq:		V S W G	Y G C	A R K	G Y P G	V Y T
AcaNucSeq:	801	CGTGTGGTGA	ATTTTATCGA	TTGGATTGAA	TCAAAACGTT	CACAGTGATT
EcoNucSeq:	801	cgCgttggtga	aCtttatcga	ttggattgaa	tcTaaacgta	Gccagtgtatt
PeptidSeq:		R V G	N F I D	W I E	S K R	S Q

FIG 8

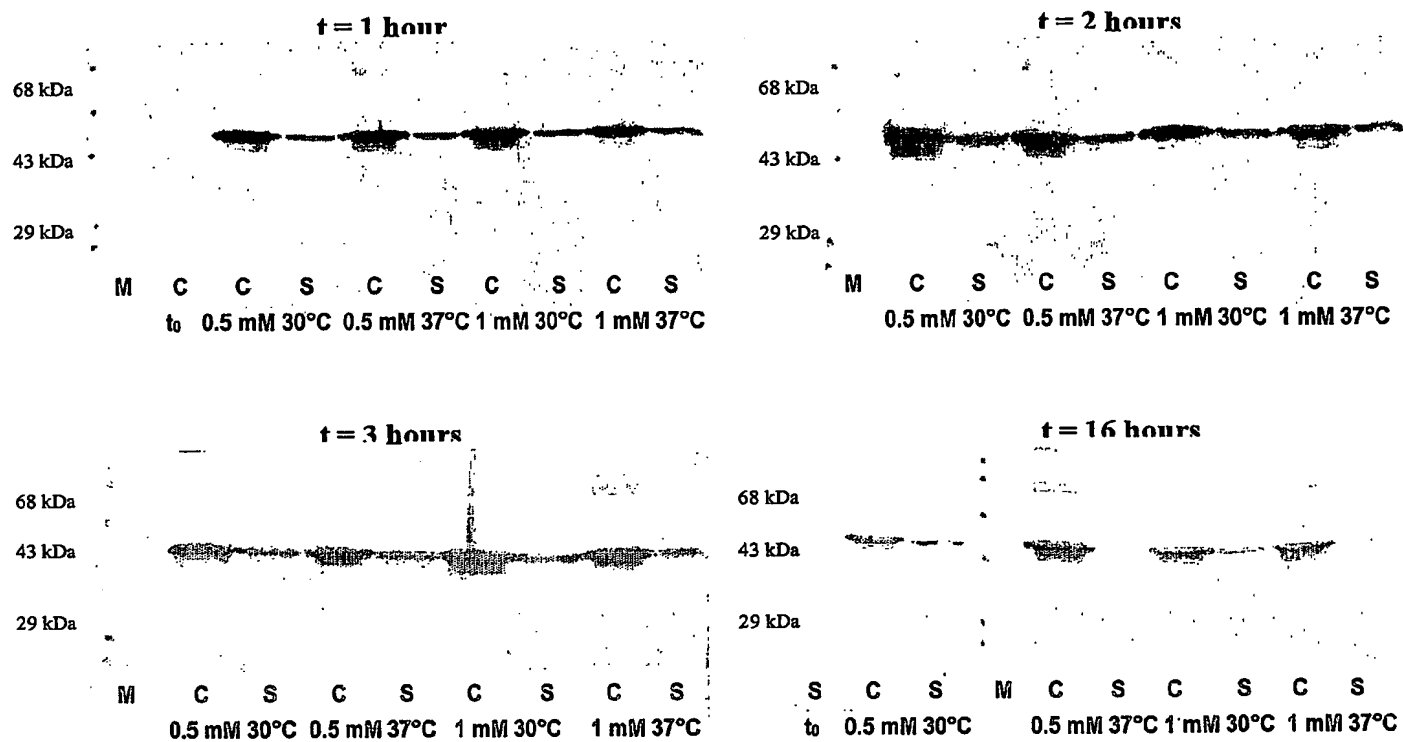


FIG 9

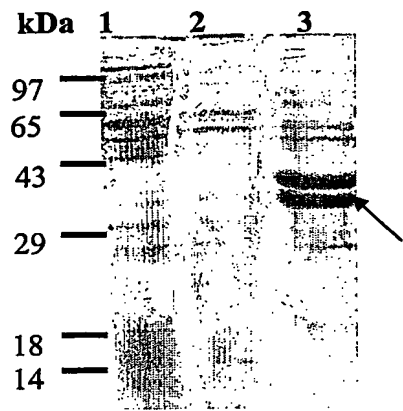


FIG 10

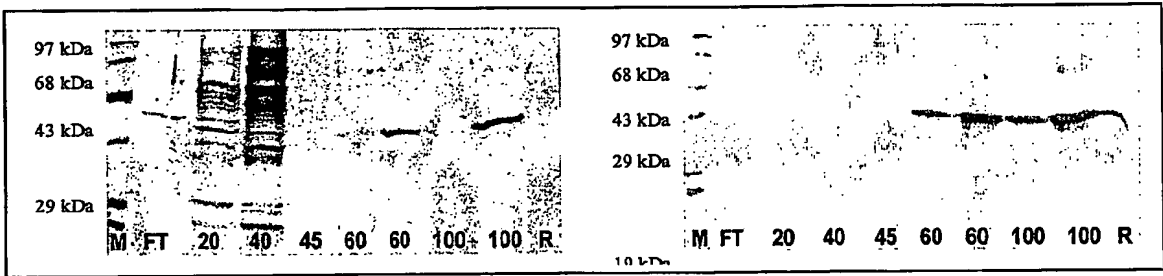


FIG. 11

